

L Number	Hits	Search Text	DB	Time stamp
-	10667	reformat\$3	USPAT	2004/02/15 17:16
-	251	reformat\$3 and "web page"	USPAT	2004/01/08 15:21
-	147	reformat\$3 and "web page" and "web server"	USPAT	2004/01/07 15:52
-	4	reformat\$3 and "web page" and "web server" and html and wml	USPAT	2004/01/07 15:54
-	6	(reformat\$3 or re-author\$4 or rebuild\$4) and "web page" and "web server" and html and wml	USPAT	2004/01/07 15:55
-	4	(reformat\$3 or re-author\$4 or rebuild\$4) and "web page" and "web server" and html and wml and java	USPAT	2004/01/07 19:18
-	7237	709/206 709/246 709/217 709/220	USPAT	2004/01/07 19:36
-	5833	709/206 709/246 709/217 709/220 and (reformat\$3 or re-author\$4 or rebuild\$4) and "web page" and "web server" and html and wml and java	USPAT	2004/01/07 19:37
-	2	(709/206 709/246 709/217 709/220) and (reformat\$3 or re-author\$4 or rebuild\$4) and "web page" and "web server" and html and wml and java	USPAT	2004/01/07 19:37
-	4	reformat\$3 and ((e-mail or email) with (thread\$3 chain\$3))	USPAT	2004/01/08 15:22
-	16	parse and ((e-mail or email) with (thread\$3 chain\$3))	USPAT	2004/02/15 15:50
-	1	(parse with (html e-mail)) and ((e-mail or email) with (thread\$3 chain\$3))	USPAT	2004/01/08 16:53
-	12	parse and ((e-mail or email) with (thread\$3 chain\$3))and sort\$3	USPAT	2004/02/15 15:50
-	12	parse and ((e-mail or email) with (thread\$3 chain\$3))and sort\$3 and forward\$3	USPAT	2004/01/08 17:44
-	6	parse and ((e-mail or email) with (thread\$3 chain\$3))and sort\$3 and forward\$3 And (redundant eliminate reduce remove)	USPAT	2004/02/15 18:11
-	0	parse and ((e-mail or email) with (chain\$3))and sort\$3 and forward\$3 And (redundant eliminate reduce remove)	USPAT	2004/02/15 15:49
-	3	parse and ((e-mail or email or mail) with (chain\$3))	USPAT	2004/02/15 15:51
-	270	((e-mail or email or mail) with (chain\$3))	USPAT	2004/02/15 15:51
-	6	((e-mail or email or mail) adj (chain\$3))	USPAT	2004/02/15 15:52
-	140	((e-mail or email or mail) near3 (chain\$3))	USPAT	2004/02/15 15:54
-	4	((e-mail or email or mail) with (chain\$3)) and smtp	USPAT	2004/02/15 15:57
-	0	((e-mail or email or mail) with (chain\$3)) and smtp and (chain adj key)	USPAT	2004/02/15 15:57
-	3	((e-mail or email or mail) with (chain\$3)) and smtp and (chain and key)	USPAT	2004/02/15 15:57
-	97	chain\$2 adj messag\$4	USPAT	2004/02/15 16:50
-	3	chain\$2 adj messag\$4 and smtp	USPAT	2004/02/15 16:52
-	19	chain\$2 with messag\$4 and smtp	USPAT	2004/02/15 16:52
-	10	chain\$2 with messag\$4 and smtp and (messag\$4 near 6185551.PN. group\$3)	USPAT	2004/02/15 16:53
-	1	chain\$2 with messag\$4 and smtp and (messag\$4 near2 group\$3)	USPAT	2004/02/15 16:55
-	0	chain\$2 near2 messag\$4 and smtp and (messag\$4 near2 group\$3)	USPAT	2004/02/15 17:25
-	0	chain\$2 near3 messag\$4 and smtp and (messag\$4 near2 group\$3)	USPAT	2004/02/15 16:55
-	49	(e-mail or email) and chain\$4 and search\$3 and (key adj field)	USPAT	2004/02/15 17:18
-	47	(e-mail or email) and chain\$4 and search\$3 and (key adj field) and group	USPAT	2004/02/15 17:18
-	1	(e-mail or email) and chain\$4 and search\$3 and (key adj field) and (message adj2 group)	USPAT	2004/02/15 17:19
-	13	message adj chaining	USPAT	2004/02/15 17:28
-	27	message adj linking	USPAT	2004/02/15 17:26
-	5	message adj linking and (e-mail or email)	USPAT	2004/02/15 17:28
-	0	message adj chaining and (e-mail or email)	USPAT	2004/02/15 17:28
-	2	message adj3 chaining and (e-mail or email)	USPAT	2004/02/15 17:42
-	10729	(email or "e-mail" or (elcetric adj mail))	USPAT	2004/02/15 17:47

-	387	((email or "e-mail" or (elcetric adj mail))) and ((chain link thread) near2 messag\$4)	USPAT	2004/02/15 17:48
-	203	((email or "e-mail" or (elcetric adj mail))) and ((chain link thread) near2 messag\$4) and group and field and value	USPAT	2004/02/15 17:49
-	0	((email or "e-mail" or (elcetric adj mail))) and ((chain link thread) near2 messag\$4) and (create adj2 group) and field and value	USPAT	2004/02/15 17:49
-	3	((email or "e-mail" or (elcetric adj mail))) and ((chain link thread) near2 messag\$4) and (creat\$4 near group) and field and value	USPAT	2004/02/15 17:58
-	21	chat adj group	USPAT	2004/02/15 17:58
-	10	chat adj group and email	USPAT	2004/02/15 18:02
-	21	chat adj group and ((related linked chained) neaer2 message\$1)	USPAT	2004/02/15 18:04
-	0	chat adj group and ((related linked chained) neaer2 message\$1) and related adj message\$1	USPAT	2004/02/15 18:04
-	2	chat adj group and ((related linked chained) neaer2 message\$1) and link\$2 adj message\$1	USPAT	2004/02/15 18:05
-	0	chat adj group and ((related linked chained) neaer2 message\$1) and chain\$2 adj message\$1	USPAT	2004/02/18 12:42
-	95	chain\$2 adj message\$1	USPAT	2004/02/15 18:05
-	3	chain\$2 adj message\$1 and smtp	USPAT	2004/02/15 18:05
-	5	"6185551"	USPAT	2004/02/15 18:11
-	3	(chain adj forward\$4) near3 messag\$4	USPAT	2004/02/18 12:44
-	14258	email e-mail (electronic adj mail)	USPAT	2004/02/18 12:47
-	908	(email e-mail (electronic adj mail)) and smtp	USPAT	2004/02/18 12:49
-	567	(email e-mail (electronic adj mail)) and message adj2 (thread\$3 chain\$3 link\$3 group\$3)	USPAT	2004/02/18 14:47
-	25	(email e-mail (electronic adj mail)) and message adj2 (thread\$3 chain\$3 link\$3 group\$3) and ((news chat) adj2 group\$4)	USPAT	2004/02/18 12:53
-	10	(email e-mail (electronic adj mail)) and (message adj2 (thread\$3 chain\$3 link\$3 group\$3)) and smtp and ((news chat) adj2 group\$4)	USPAT	2004/02/18 14:42
-	8	(email e-mail (electronic adj mail)) and (message adj2 (thread\$3 chain\$3 link\$3 group\$3)) and smtp and ((news chat) adj2 group\$4) and key and field	USPAT	2004/07/12 18:36
-	0	(email e-mail (electronic adj mail)) and message adj2 (thread\$3 chain\$3 link\$3 group\$3) and (chain adj key)	USPAT	2004/02/18 14:48
-	0	(email e-mail (electronic adj mail)) and message adj2 (thread\$3 chain\$3 link\$3 group\$3) and (chain adj field)	USPAT	2004/02/18 14:48
-	2	(email e-mail (electronic adj mail)) and message adj2 (thread\$3 chain\$3 link\$3 group\$3) and (link adj field)	USPAT	2004/02/18 16:37
-	1	(email e-mail (electronic adj mail)) and message adj2 (thread\$3 chain\$3 link\$3 group\$3) and (chain\$2 adj2 field)	USPAT	2004/02/18 16:50
-	0	"chain_key" and "chain_value"	USPAT	2004/02/18 16:51
-	0	"chain_key"	USPAT	2004/02/18 16:51
-	0	(chain adj key) and (chain adj value)	USPAT	2004/02/18 16:52
-	5	(link adj key) and (link adj value)	USPAT	2004/02/18 16:52
-	0	(link adj key) and (link adj value) and email	USPAT	2004/02/18 16:52
-	0	(chain\$3 and ((electronic adj mail) e\$mail email)).ti.	USPAT	2004/07/11 20:22
-	1	(chain\$3 and ((electronic adj mail) e\$mail email) and messag\$3).ab.	USPAT	2004/07/11 20:24
-	3	(chain\$3 and ((electronic adj mail) e\$mail email)).ab.	USPAT	2004/07/11 20:24

-	22	(chain\$3 with ((electronic adj mail) e\$mail email)).ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/11 20:29
-	2769	((electronic adj mail) e\$mail email) near message\$1).ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/11 20:31
-	797	((electronic adj mail) e\$mail email) near message\$1).ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/11 20:30
-	61	((electronic adj mail) e\$mail email) near message\$1).ti.	USPAT	2004/07/11 20:30
-	61	((electronic adj mail) e\$mail email) near message\$1).ti.	USPAT	2004/07/11 20:30
-	352	((electronic adj mail) e\$mail email) near message\$1).ab.	USPAT	2004/07/11 20:31
-	7	((electronic adj mail) e\$mail email) near message\$1).ab. and (chain\$2 with message\$1)	USPAT	2004/07/11 20:32
-	1	((electronic adj mail) e\$mail email) near message\$1).ab. and (chain\$2 with message\$1) and address and book	USPAT	2004/07/11 20:32
-	0	(chain\$2 with group\$1) and (address near2 book) and (chain\$2 with message\$1)	USPAT	2004/07/12 18:38
-	1094	(chain\$2 with message\$1)	USPAT	2004/07/12 18:39
-	50	(chain\$2 with message\$1) with field	USPAT	2004/07/12 18:40
-	0	(chain\$2 with message\$1) with field with group\$1	USPAT	2004/07/12 18:40
-	0	(chain\$2 with message\$1) with field with group\$4	USPAT	2004/07/12 18:40
-	1	(chain\$2 with message\$1) with field same group\$4	USPAT	2004/07/12 18:40

US-CL-CURRENT: 558/416; 560/20, 560/96

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20040116398 A1

L4: Entry 3 of 294

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040116398

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040116398 A1

TITLE: Therapeutic applications of estrogenic carboxylic acids

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Meyers, Cal Y.	Carbondale	IL	US	
Banz, William J.	Carterville	IL	US	
Adler, Stuart R.	Creve Coeur	MO	US	
Winters, Todd A.	Murphysboro	IL	US	
Hou, Yuqing	Carbondale	IL	US	
Dandliker, Walter B.	La Jolla	CA	US	

US-CL-CURRENT: 514/182

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20040097754 A1

L4: Entry 4 of 294

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040097754

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040097754 A1

TITLE: Processes for the preparation of olefins, unsaturated carboxylic acids and unsaturated nitriles from alkanes

PUBLICATION-DATE: May 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bogan, Leonard Edward JR.	Hatfield	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	
Zolotorofe, Donald Lee	Ivyland	PA	US	

US-CL-CURRENT: 562/546; 562/547, 585/658

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 5. Document ID: US 20040077897 A1

L4: Entry 5 of 294

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040077897

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040077897 A1

TITLE: Preparation of unsaturated carboxylic acids and unsaturated carboxylic acid esters from alkanes and/or alkenes

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Benderly, Abraham	Elkins Park	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	

US-CL-CURRENT: 560/208

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 6. Document ID: US 20040048347 A1

L4: Entry 6 of 294

File: PGPB

Mar 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040048347

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040048347 A1

TITLE: Oligomers and oligomeric segments of alpha-hydroxy carboxylic acids and alpha-amino acids

PUBLICATION-DATE: March 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lorbert, Stephen J.	St. Louis	<u>MO</u>	US	
Schasteen, Charles S.	St. Louis	<u>MO</u>	US	
Nam, Paul K. S.	Rolla	<u>MO</u>	US	
Forciniti, Daniel	Rolla	<u>MO</u>	US	
Rajesh, Mathur P.	Rolla	<u>MO</u>	US	
Kapila, Shubhender	Rolla	<u>MO</u>	US	

US-CL-CURRENT: 435/129

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 7. Document ID: US 20040029863 A1

L4: Entry 7 of 294

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040029863

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040029863 A1

TITLE: Carboxylic acid substituted heterocycles, derivatives thereof and methods of use

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Koch, Kevin	Boulder	CO	US	
Termin, Andreas	Encinitas	CA	US	
Josey, John A.	Longmont	CO	US	

US-CL-CURRENT: 514/217.04; 514/217.08, 514/217.11, 540/596, 540/597, 540/604

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 8. Document ID: US 20030219372 A1

L4: Entry 8 of 294

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030219372

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030219372 A1

TITLE: Ammoxidation of carboxylic acids to a mixture of nitriles

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Seely, Michael J.	Naperville	IL	US	
Godbole, Sanjay P.	Solon	OH	US	
Paparizos, Christos	Willowick	OH	US	

US-CL-CURRENT: 423/376; 558/320

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 9. Document ID: US 20030199427 A1

L4: Entry 9 of 294

File: PGPB

Oct 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030199427
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030199427 A1

TITLE: Cyanophenoxy carboxylic acid compounds and compositions for delivering active agents

PUBLICATION-DATE: October 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Moye-Sherman, Destardi	Newburgh	NY	US	
Gschneidner, David	Stamford	CT	US	

US-CL-CURRENT: 514/2; 514/171, 514/522, 514/54, 558/414

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC	Draw D
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☐ 10. Document ID: US 20030187297 A1

L4: Entry 10 of 294

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030187297
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030187297 A1

TITLE: Methods for producing unsaturated carboxylic acids and unsaturated nitriles

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bogan, Leonard Edward JR.	Hatfield	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Jacobs, Bradley Anson	Chalfont	PA	US	
Kaiser, Frederick William	Fort Washington	PA	US	
Klugherz, Peter David	Huntingdon Valley	PA	US	
Lin, Manhua	Levittown	PA	US	
Link, Richard David III	Levittown	PA	US	
Linsen, Michael William	North Wales	PA	US	

US-CL-CURRENT: 562/546; 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC	Draw D
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 11 through 20 of 294 returned.

☐ 11. Document ID: US 20030149295 A1

Using default format because multiple data bases are involved.

L4: Entry 11 of 294

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030149295

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030149295 A1

TITLE: Oxidation process for the production of alkenes and carboxylic acids

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ellis, Brian	Lower Sunbury		GB	
Roberts, Mark Stephen	Beverley		GB	

US-CL-CURRENT: 560/241.1; 562/544

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 12. Document ID: US 20030143661 A1

L4: Entry 12 of 294

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030143661

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030143661 A1

TITLE: Enantioselective oligomerization of alpha-hydroxy carboxylic acids and alpha-amino acids

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lorbert, Stephen J.	St. Louis	<u>MO</u>	US	
Schasteen, Charles S.	St. Charles	<u>MO</u>	US	
Nam, Paul K.S.	Rolla	<u>MO</u>	US	
Forciniti, Daniel	Rolla	<u>MO</u>	US	
Rajesh, Mathur P.	Rolla	<u>MO</u>	US	

Kapila, Shubhender Rolla MO US

US-CL-CURRENT: 435/68.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 13. Document ID: US 20030109749 A1

L4: Entry 13 of 294

File: PGPB

Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030109749

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030109749 A1

TITLE: Processes for the preparation of olefins, unsaturated carboxylic acids and unsaturated nitriles from alkanes

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bogan, Leonard Edward JR.	Hatfield	PA	US	
Gaffney, Anne Mae	West Chester	PA	US	
Han, Scott	Lawrenceville	NJ	US	
Heffner, Michele Doreen	Chalfont	PA	US	
Song, Ruozhi	Wilmington	DE	US	
Zolotorofe, Donald Lee	Ivyland	PA	US	

US-CL-CURRENT: 562/546; 562/547, 585/654, 585/660

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 14. Document ID: US 20030100794 A1

L4: Entry 14 of 294

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100794

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100794 A1

TITLE: Molybdenum and vanadium based catalysts for the oxidation of alkanes to carboxylic acids and olefins

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Karim, Khalid	Burnage		GB	
Al-Hazmi, Mohammad H.	Riyadh		SA	
Khan, Asad Ahmad	Riyadh		SA	

Zaheer, Syed Irshad

Riyadh

SA

US-CL-CURRENT: 562/535; 502/322, 562/547, 585/621

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Draw. De
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☐ 15. Document ID: US 20020198406 A1

L4: Entry 15 of 294

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020198406

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020198406 A1

TITLE: Two stage process for the production of unsaturated carboxylic acids by oxidation of lower unsaturated hydrocarbons

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Karim, Khalid	Burnage		GB	
Bhat, Yajnavalkya Subrai	Riyadh		SA	
Khan, Asad Ahmad	Riyadh		SA	
Zaheer, Syed Irshad	Riyadh		SA	
Nafisa, Abdullah Bin	Riyadh		SA	

US-CL-CURRENT: 562/546

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Draw. De
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☐ 16. Document ID: US 20020161259 A1

L4: Entry 16 of 294

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020161259

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020161259 A1

TITLE: Process and catalyst for dehydrogenating primary alcohols to make carboxylic acid salts

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Morgenstern, David A.	Creve Coeur	<u>MO</u>	US	
Arhancet, Juan P.	Creve Coeur	<u>MO</u>	US	
Berk, Howard C.	St. Louis	<u>MO</u>	US	
Moench, William L. JR.	St. Louis	<u>MO</u>	US	

Peterson, James C.

Manchester

MO

US

US-CL-CURRENT: 562/542; 502/345

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 17. Document ID: US 20020137966 A1

L4: Entry 17 of 294

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020137966

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020137966 A1

TITLE: Process for the preparation of carboxylic acid benzyl esters

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ooms, Pieter	Krefeld		DE	
Schenke, Bernd-Ulrich	Bottrop		DE	

US-CL-CURRENT: 560/240

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 18. Document ID: US 20020132806 A1

L4: Entry 18 of 294

File: PGPB

Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020132806

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020132806 A1

TITLE: 7-[(4'-trifluoromethyl-biphenyl-2-carbonyl)amino]-quinoline-3-carboxylic acid amides, and methods of inhibiting the secretion of apolipoprotein B

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ruggeri, Roger	Waterford	CT	US	
Wilson, Douglas	Groton	CT	US	

US-CL-CURRENT: 514/217.07; 514/228.2, 514/233.5, 514/253.06, 514/311, 514/314,
540/597, 544/128, 544/363, 544/60, 546/168, 546/169

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 19. Document ID: US 20020115887 A1

L4: Entry 19 of 294

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020115887

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020115887 A1

TITLE: Catalysts for the oxidation of unsaturated aldehydes to produce carboxylic acids and methods of making the same

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Karim, Khalid	Manchester		GB	
Bhat, Yajnavalkya Subrai	Riyadh		SA	
Zaheer, Syed Irshad	Riyadh		SA	
Khan, Asad Ahmad	Riyadh		SA	

US-CL-CURRENT: 562/532; 502/248

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 20. Document ID: US 20020099239 A1

L4: Entry 20 of 294

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020099239

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020099239 A1

TITLE: Oxidation process for the production of alkenes and carboxylic acids

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ellis, Brian	Lower Sunbury		GB	
Roberts, Mark Stephen	Beverley		GB	

US-CL-CURRENT: 560/241.1; 562/549

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Terms	Documents
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 21 through 30 of 294 returned.

☐ 21. Document ID: US 20020099089 A1

Using default format because multiple data bases are involved.

L4: Entry 21 of 294

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020099089

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020099089 A1

TITLE: Carboxylic acid amides, pharmaceutical compositions containing these compounds, their use and preparation

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hauel, Norbert	Schemmerhofen		DE	
Priepke, Henning	Warthausen		DE	
Damm, Klaus	Biberach		DE	
Schnapp, Andreas	Biberach		DE	

US-CL-CURRENT: 514/521; 514/237.8, 514/617, 514/622

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawl De
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☐ 22. Document ID: US 20020065269 A1

L4: Entry 22 of 294

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020065269

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020065269 A1

TITLE: Carboxylic acid substituted heterocycles, derivatives thereof and methods of use

PUBLICATION-DATE: May 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Koch, Kevin	Boulder	<u>CO</u>	US	
Termin, Andreas	Encinitas	CA	US	

Josey, John A. Longmont CO US

US-CL-CURRENT: 514/217.11; 514/151, 514/183, 514/217.03, 540/480, 540/482, 540/565,
540/596, 540/605

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 23. Document ID: US 20020058847 A1

L4: Entry 23 of 294

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020058847
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020058847 A1

TITLE: Catalysts for oxidation of lower olefins to unsaturated aldehydes, methods
of making and using the same

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Karim, Khalid	Manchester		GB	
Bhat, Yajnavalkya Subrai	Riyadh		SA	
Zaheer, Syed Irshad	Riyadh		SA	
Khan, Asad Ahmad	Riyadh		SA	

US-CL-CURRENT: 568/475

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 24. Document ID: US 20020058757 A1

L4: Entry 24 of 294

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020058757
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020058757 A1

TITLE: Thermosetting compositions containing carboxylic acid functional polymers
prepared by atom transfer radical polymerization

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Barkac, Karen A.	Murrysville	PA	US	
Coca, Simion	Pittsburgh	PA	US	
Franks, James R.	Gibsonia	PA	US	
Humbert, Kurt A.	Bethel Park	PA	US	

Lamers, Paul H.	Allison Park	PA	US
Martin, Roxalana L.	Pittsburgh	PA	US
O'Dwyer, James B.	Valencia	PA	US
Olson, Kurt G.	Gibsonia	PA	US
White, Daniela	Pittsburgh	PA	US

US-CL-CURRENT: 525/131; 525/176, 525/326.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 25. Document ID: US 20020019564 A1

L4: Entry 25 of 294

File: PGPB

Feb 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020019564

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020019564 A1

TITLE: Process and catalyst for dehydrogenating primary alcohols to make carboxylic acid salts

PUBLICATION-DATE: February 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Morgenstern, David A.	Creve Coeur	<u>MO</u>	US	
Arhancet, Juan P.	Creve Couer	<u>MO</u>	US	
Berk, Howard C.	St. Louis	<u>MO</u>	US	
Moench, William L. JR.	Town ?amp; Country	<u>MO</u>	US	
Peterson, James C.	Manchester	<u>MO</u>	US	

US-CL-CURRENT: 562/539

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 26. Document ID: US 6727380 B2

L4: Entry 26 of 294

File: USPT

Apr 27, 2004

US-PAT-NO: 6727380

DOCUMENT-IDENTIFIER: US 6727380 B2

TITLE: Oxidation process for the production of alkenes and carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 27. Document ID: US 6713489 B2

L4: Entry 27 of 294

File: USPT

Mar 30, 2004

US-PAT-NO: 6713489

DOCUMENT-IDENTIFIER: US 6713489 B2

TITLE: 7-[(4'-trifluoromethyl-biphenyl-2-carbonyl)amino]-quinoline-3-carboxylic acid amides, and methods of inhibiting the secretion of apolipoprotein B

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 28. Document ID: US 6710207 B2

L4: Entry 28 of 294

File: USPT

Mar 23, 2004

US-PAT-NO: 6710207

DOCUMENT-IDENTIFIER: US 6710207 B2

TITLE: Methods for producing unsaturated carboxylic acids and unsaturated nitriles

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 29. Document ID: US 6706662 B2

L4: Entry 29 of 294

File: USPT

Mar 16, 2004

US-PAT-NO: 6706662

DOCUMENT-IDENTIFIER: US 6706662 B2

TITLE: Catalyst for dehydrogenating primary alcohols to make carboxylic acid salts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 30. Document ID: US 6700029 B2

L4: Entry 30 of 294

File: USPT

Mar 2, 2004

US-PAT-NO: 6700029

DOCUMENT-IDENTIFIER: US 6700029 B2

TITLE: Processes for the preparation of olefins, unsaturated carboxylic acids and unsaturated nitriles from alkanes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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L3 and L2

294

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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 31 through 40 of 294 returned.

☐ 31. Document ID: US 6673811 B1

Using default format because multiple data bases are involved.

L4: Entry 31 of 294

File: USPT

Jan 6, 2004

US-PAT-NO: 6673811

DOCUMENT-IDENTIFIER: US 6673811 B1

TITLE: 1H-pyrrolo [3,2-b] pyridine-3-carboxylic acid amines as GABAA receptor ligands

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Maynard; George D.	Clinton	CT		
Ghosh; Manuka	Branford	CT		
O'Donnell; Christopher J.	Mystic	CT		

US-CL-CURRENT: 514/300; 514/255.02, 544/405, 546/113

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw. De
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☐ 32. Document ID: US 6638891 B2

L4: Entry 32 of 294

File: USPT

Oct 28, 2003

US-PAT-NO: 6638891

DOCUMENT-IDENTIFIER: US 6638891 B2

TITLE: Molybdenum and vanadium based catalysts for the oxidation of alkanes to carboxylic acids and olefins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw. De
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☐ 33. Document ID: US 6620973 B2

L4: Entry 33 of 294

File: USPT

Sep 16, 2003

US-PAT-NO: 6620973

DOCUMENT-IDENTIFIER: US 6620973 B2

TITLE: Catalysts for oxidation of lower olefins to unsaturated aldehydes, methods of making and using the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 34. Document ID: US 6605590 B1

L4: Entry 34 of 294

File: USPT

Aug 12, 2003

US-PAT-NO: 6605590

DOCUMENT-IDENTIFIER: US 6605590 B1

TITLE: Oligomers and oligomeric segments of alpha-hydroxy carboxylic acids and alpha-amino acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 35. Document ID: US 6593351 B2

L4: Entry 35 of 294

File: USPT

Jul 15, 2003

US-PAT-NO: 6593351

DOCUMENT-IDENTIFIER: US 6593351 B2

**** See image for Certificate of Correction ****

TITLE: Carboxylic acid substituted heterocycles, derivatives thereof and methods of use

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 36. Document ID: US 6555703 B2

L4: Entry 36 of 294

File: USPT

Apr 29, 2003

US-PAT-NO: 6555703

DOCUMENT-IDENTIFIER: US 6555703 B2

TITLE: Process for the preparation of carboxylic acid benzyl esters

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 37. Document ID: US 6548697 B1

L4: Entry 37 of 294

File: USPT

Apr 15, 2003

US-PAT-NO: 6548697

DOCUMENT-IDENTIFIER: US 6548697 B1

TITLE: Oxidation process for the production of alkenes and carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 38. Document ID: US 6476261 B2

L4: Entry 38 of 294

File: USPT

Nov 5, 2002

US-PAT-NO: 6476261

DOCUMENT-IDENTIFIER: US 6476261 B2

TITLE: Oxidation process for the production of alkenes and carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 39. Document ID: US 6444845 B1

L4: Entry 39 of 294

File: USPT

Sep 3, 2002

US-PAT-NO: 6444845

DOCUMENT-IDENTIFIER: US 6444845 B1

**** See image for Certificate of Correction ****TITLE: Process for the oxidation of unsaturated aldehydes to produce carboxylic acids using Mo-V based catalysts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 40. Document ID: US 6441227 B1

L4: Entry 40 of 294

File: USPT

Aug 27, 2002

US-PAT-NO: 6441227

DOCUMENT-IDENTIFIER: US 6441227 B1

**** See image for Certificate of Correction ****TITLE: Two stage process for the production of unsaturated carboxylic acids by oxidation of lower unsaturated hydrocarbons

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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Terms	Documents
L3 and L2	294

Display Format:

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Generate OACS				

Search Results - Record(s) 41 through 50 of 294 returned.

☐ 41. Document ID: US 6429331 B1

Using default format because multiple data bases are involved.

L4: Entry 41 of 294

File: USPT

Aug 6, 2002

US-PAT-NO: 6429331

DOCUMENT-IDENTIFIER: US 6429331 B1

TITLE: Process for preparing saturated carboxylic acids having from 1 to 4 carbon atoms from butenes and butanes

DATE-ISSUED: August 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ruedinger; Christoph	Munchen			DE
Eberle; Hans-Juergen	Munchen			DE
Bogner; Ragner	Munchen			DE
Kohlmann; Wolfgang	Munchen			DE

US-CL-CURRENT: 562/512.2; 562/523, 562/546, 562/547, 562/548, 562/549, 562/607

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 42. Document ID: US 6376708 B1

L4: Entry 42 of 294

File: USPT

Apr 23, 2002

US-PAT-NO: 6376708

DOCUMENT-IDENTIFIER: US 6376708 B1

TITLE: Process and catalyst for dehydrogenating primary alcohols to make carboxylic acid salts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 43. Document ID: US 6369075 B1

L4: Entry 43 of 294

File: USPT

Apr 9, 2002

US-PAT-NO: 6369075

DOCUMENT-IDENTIFIER: US 6369075 B1

TITLE: 7[4'-trifluoromethyl-biphenyl-2-carbonyl)amino]-quinoline-3-carboxylic acid amides, and method of inhibiting the secretion of apolipoprotein B

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 44. Document ID: US 6337424 B1

L4: Entry 44 of 294

File: USPT

Jan 8, 2002

US-PAT-NO: 6337424

DOCUMENT-IDENTIFIER: US 6337424 B1

**** See image for Certificate of Correction ****

TITLE: Catalysts oxidation of lower olefins to unsaturated aldehydes, methods of making and using the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 45. Document ID: US 6335329 B1

L4: Entry 45 of 294

File: USPT

Jan 1, 2002

US-PAT-NO: 6335329

DOCUMENT-IDENTIFIER: US 6335329 B1

**** See image for Certificate of Correction ****

TITLE: Carboxylic acid substituted heterocycles, derivatives thereof and methods of use

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 46. Document ID: US 6323213 B1

L4: Entry 46 of 294

File: USPT

Nov 27, 2001

US-PAT-NO: 6323213

DOCUMENT-IDENTIFIER: US 6323213 B1

TITLE: Possibly substituted 8-cyano-1-cyclopropyl-7-(2,8-diazabicyclo-[4.3. 0]-nonan-8-yl)-6-fluoro-1,4-dihydro-4-oxo-3-quinolin carboxylic acids and their derivatives

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 47. Document ID: US 6320075 B1

L4: Entry 47 of 294

File: USPT

Nov 20, 2001

US-PAT-NO: 6320075

DOCUMENT-IDENTIFIER: US 6320075 B1

TITLE: Process and apparatus for preparing saturated carboxylic acids having one to four carbon atoms

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 48. Document ID: US 6316659 B1

L4: Entry 48 of 294

File: USPT

Nov 13, 2001

US-PAT-NO: 6316659

DOCUMENT-IDENTIFIER: US 6316659 B1

TITLE: Method for producing cyclopentanone and cyclopentene-1-carboxylic acid and their esters

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 49. Document ID: US 6291450 B1

L4: Entry 49 of 294

File: USPT

Sep 18, 2001

US-PAT-NO: 6291450

DOCUMENT-IDENTIFIER: US 6291450 B1

**** See image for Certificate of Correction ****

TITLE: Carboxylic acid substituted heterocycles, derivatives thereof and methods of use

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 50. Document ID: US 6261814 B1

L4: Entry 50 of 294

File: USPT

Jul 17, 2001

US-PAT-NO: 6261814

DOCUMENT-IDENTIFIER: US 6261814 B1

TITLE: Carboxylic acid reductase, and methods of using same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Terms	Documents
L3 and L2	294

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Search Results - Record(s) 51 through 60 of 294 returned.

☐ 51. Document ID: US 6258992 B1

Using default format because multiple data bases are involved.

L4: Entry 51 of 294

File: USPT

Jul 10, 2001

US-PAT-NO: 6258992

DOCUMENT-IDENTIFIER: US 6258992 B1

TITLE: Gas phase catalytic oxidation of hydrocarbons to carboxylic acids and dehydrogenated products

DATE-ISSUED: July 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Karim; Khalid	Riyadh			SA
Khan; Asad	Riyadh			SA

US-CL-CURRENT: 585/663; 560/245, 562/547, 562/548, 562/549, 585/328, 585/658

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 52. Document ID: US 6180825 B1

L4: Entry 52 of 294

File: USPT

Jan 30, 2001

US-PAT-NO: 6180825

DOCUMENT-IDENTIFIER: US 6180825 B1

TITLE: Oxidation of alkanes to unsaturated aldehydes and carboxylic acids using a catalyst containing Mo, V, Te and Nb

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 53. Document ID: US 6130075 A

L4: Entry 53 of 294

File: USPT

Oct 10, 2000

US-PAT-NO: 6130075

DOCUMENT-IDENTIFIER: US 6130075 A

TITLE: Polymer conjugates of polyethylene glycols or oxides with polyethyleneimine

or polypropylenimine for extracting carboxylic acids from solutions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. Data
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☐ 54. Document ID: US 6124455 A

L4: Entry 54 of 294

File: USPT

Sep 26, 2000

US-PAT-NO: 6124455

DOCUMENT-IDENTIFIER: US 6124455 A

TITLE: Aryl or heteroaryl amides of tetrahydronaphthalene, chroman, thiochroman and 1,2,3,4-tetrahydroquinoline carboxylic acids, having an electron withdrawing substituent in the aromatic or heteroaromatic moiety, having retinoid-like biological activity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. Data
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☐ 55. Document ID: US 6034244 A

L4: Entry 55 of 294

File: USPT

Mar 7, 2000

US-PAT-NO: 6034244

DOCUMENT-IDENTIFIER: US 6034244 A

TITLE: Aryl or heteroaryl amides of tetrahydronaphthalene, chroman, thiochroman and 1,2,3,4-tetrahydroquinoline carboxylic acids, having an electron withdrawing substituent in the aromatic or heteroaromatic moiety, having retinoid-like biological activity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. Data
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☐ 56. Document ID: US 5990348 A

L4: Entry 56 of 294

File: USPT

Nov 23, 1999

US-PAT-NO: 5990348

DOCUMENT-IDENTIFIER: US 5990348 A

**** See image for Certificate of Correction ****

TITLE: Conversion of alkanes to unsaturated carboxylic acids over heteropoly acids supported on polyoxometallate salts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. Data
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☐ 57. Document ID: US 5856490 A

L4: Entry 57 of 294

File: USPT

Jan 5, 1999

US-PAT-NO: 5856490

DOCUMENT-IDENTIFIER: US 5856490 A

**** See image for Certificate of Correction ****

TITLE: Aryl or heteroaryl amides of tetrahydronaphthalene, chroman, thiochroman and 1,2,3,4-tetrahydroquinoline carboxylic acids, having an electron withdrawing substituent in the aromatic or heteroaromatic moiety, having retinoid-like biological activity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 58. Document ID: US 5795759 A

L4: Entry 58 of 294

File: USPT

Aug 18, 1998

US-PAT-NO: 5795759

DOCUMENT-IDENTIFIER: US 5795759 A

TITLE: Carboxylic acid reductase, and methods of using same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 59. Document ID: US 5750777 A

L4: Entry 59 of 294

File: USPT

May 12, 1998

US-PAT-NO: 5750777

DOCUMENT-IDENTIFIER: US 5750777 A

TITLE: Process for the preparation of carboxylic acids by controlled oxidation of the corresponding alkanes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 60. Document ID: US 5675024 A

L4: Entry 60 of 294

File: USPT

Oct 7, 1997

US-PAT-NO: 5675024

DOCUMENT-IDENTIFIER: US 5675024 A

**** See image for Certificate of Correction ****

TITLE: Aryl or heteroaryl amides of tetrahydronaphthalene, chroman, thiochroman and 1,2,3,4-tetrahydroquinoline carboxylic acids, having an electron withdrawing substituent in the aromatic or heteroaromatic moiety, having retinoid-like biological activity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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Search Results - Record(s) 61 through 70 of 294 returned.

☐ 61. Document ID: US 5563295 A

Using default format because multiple data bases are involved.

L4: Entry 61 of 294

File: USPT

Oct 8, 1996

US-PAT-NO: 5563295

DOCUMENT-IDENTIFIER: US 5563295 A

TITLE: Process for producing optically active carboxylic acid

DATE-ISSUED: October 8, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takaya; Hidemasa	Shiga			JP
Zhang; Xiaoyong	Kanagawa			JP
Matsumura; Kazuhiko	Kanagawa			JP
Sayo; Noboru	Kanagawa			JP
Kumobayashi; Hidenori	Kanagawa			JP

US-CL-CURRENT: 562/606; 562/405, 562/496, 562/605

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 62. Document ID: US 5332675 A

L4: Entry 62 of 294

File: USPT

Jul 26, 1994

US-PAT-NO: 5332675

DOCUMENT-IDENTIFIER: US 5332675 A

TITLE: Optically active aromatic carboxylic acid derivatives and process for producing the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 63. Document ID: US 5198581 A

L4: Entry 63 of 294

File: USPT

Mar 30, 1993

US-PAT-NO: 5198581

DOCUMENT-IDENTIFIER: US 5198581 A

TITLE: Process for producing unsaturated aldehydes and unsaturated acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KMOC	Draw. De
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☐ 64. Document ID: US 5191108 A

L4: Entry 64 of 294

File: USPT

Mar 2, 1993

US-PAT-NO: 5191108

DOCUMENT-IDENTIFIER: US 5191108 A

TITLE: Catechol carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KMOC	Draw. De
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☐ 65. Document ID: US 5189212 A

L4: Entry 65 of 294

File: USPT

Feb 23, 1993

US-PAT-NO: 5189212

DOCUMENT-IDENTIFIER: US 5189212 A

**** See image for Certificate of Correction ****TITLE: Triarylethylene carboxylic acids with estrogenic activity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KMOC	Draw. De
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☐ 66. Document ID: US 5080832 A

L4: Entry 66 of 294

File: USPT

Jan 14, 1992

US-PAT-NO: 5080832

DOCUMENT-IDENTIFIER: US 5080832 A

**** See image for Certificate of Correction ****TITLE: Optically nonlinear aromatic carboxylic acid complexes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KMOC	Draw. De
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☐ 67. Document ID: US 5025036 A

L4: Entry 67 of 294

File: USPT

Jun 18, 1991

US-PAT-NO: 5025036

DOCUMENT-IDENTIFIER: US 5025036 A

**** See image for Certificate of Correction ****TITLE: Catechol carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	References	Attachments	Claims	KWIC	Draw D
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☐ 68. Document ID: US 4992214 A

L4: Entry 68 of 294

File: USPT

Feb 12, 1991

US-PAT-NO: 4992214

DOCUMENT-IDENTIFIER: US 4992214 A

**** See image for Certificate of Correction ****

TITLE: Optically nonlinear aromatic carboxylic acid complexes

Full	Title	Citation	Front	Review	Classification	Date	Reference	References	Attachments	Claims	KWIC	Draw D
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☐ 69. Document ID: US 4985592 A

L4: Entry 69 of 294

File: USPT

Jan 15, 1991

US-PAT-NO: 4985592

DOCUMENT-IDENTIFIER: US 4985592 A

TITLE: Process for the preparation of unsaturated carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	References	Attachments	Claims	KWIC	Draw D
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☐ 70. Document ID: US 4968838 A

L4: Entry 70 of 294

File: USPT

Nov 6, 1990

US-PAT-NO: 4968838

DOCUMENT-IDENTIFIER: US 4968838 A

TITLE: Process for the preparation of unsaturated carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	References	Attachments	Claims	KWIC	Draw D
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Search Results - Record(s) 71 through 80 of 294 returned.

☐ 71. Document ID: US 4891347 A

Using default format because multiple data bases are involved.

L4: Entry 71 of 294

File: USPT

Jan 2, 1990

US-PAT-NO: 4891347

DOCUMENT-IDENTIFIER: US 4891347 A

TITLE: Process for the preparation of catalyst used in the production of unsaturated carboxylic acids

DATE-ISSUED: January 2, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oh-Kita; Motomu	Otake			JP
Ishii; Kazuhiro	Otake			JP
Kato; Masaaki	Otake			JP
Kobayashi; Masao	Otake			JP

US-CL-CURRENT: 502/206; 502/209, 502/211, 562/532, 562/535

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 72. Document ID: US 4673738 A

L4: Entry 72 of 294

File: USPT

Jun 16, 1987

US-PAT-NO: 4673738

DOCUMENT-IDENTIFIER: US 4673738 A

**** See image for Certificate of Correction ****

TITLE: Novel intermediates of cephalosporins and process for producing 7-(substituted or unsubstituted amino)-3-substituted methyl-.DELTA..sup.3 -cephem-4-carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 73. Document ID: US 4663479 A

L4: Entry 73 of 294

File: USPT

May 5, 1987

US-PAT-NO: 4663479

DOCUMENT-IDENTIFIER: US 4663479 A

TITLE: Preparation of aliphatic carboxylic acids and aldehydes by upgrading alpha-hydroxycarboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. De
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☐ 74. Document ID: US 4560673 A

L4: Entry 74 of 294

File: USPT

Dec 24, 1985

US-PAT-NO: 4560673

DOCUMENT-IDENTIFIER: US 4560673 A

TITLE: Catalyst for the oxidation of unsaturated aldehydes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. De
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☐ 75. Document ID: US 4552978 A

L4: Entry 75 of 294

File: USPT

Nov 12, 1985

US-PAT-NO: 4552978

DOCUMENT-IDENTIFIER: US 4552978 A

TITLE: Oxidation of unsaturated aldehydes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. De
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☐ 76. Document ID: US 4543217 A

L4: Entry 76 of 294

File: USPT

Sep 24, 1985

US-PAT-NO: 4543217

DOCUMENT-IDENTIFIER: US 4543217 A

TITLE: Process for making carboxylic acid halides

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. De
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☐ 77. Document ID: US 4520189 A

L4: Entry 77 of 294

File: USPT

May 28, 1985

US-PAT-NO: 4520189

DOCUMENT-IDENTIFIER: US 4520189 A

TITLE: Optical device including birefringent aromatic amino carboxylic acid polymer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 78. Document ID: US 4464539 A

L4: Entry 78 of 294

File: USPT

Aug 7, 1984

US-PAT-NO: 4464539

DOCUMENT-IDENTIFIER: US 4464539 A

TITLE: Process for producing .alpha.,.beta.-unsaturated carboxylic acids or esters thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 79. Document ID: US 4414160 A

L4: Entry 79 of 294

File: USPT

Nov 8, 1983

US-PAT-NO: 4414160

DOCUMENT-IDENTIFIER: US 4414160 A

TITLE: Process for making carboxylic acid halides

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 80. Document ID: US 4408067 A

L4: Entry 80 of 294

File: USPT

Oct 4, 1983

US-PAT-NO: 4408067

DOCUMENT-IDENTIFIER: US 4408067 A

TITLE: Process for producing carboxylic acid esters from nitriles

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Search Results - Record(s) 81 through 90 of 294 returned.

☐ 81. Document ID: US RE31088 E

Using default format because multiple data bases are involved.

L4: Entry 81 of 294

File: USPT

Nov 23, 1982

US-PAT-NO: RE31088

DOCUMENT-IDENTIFIER: US RE31088 E

TITLE: Process for the manufacture of unsaturated aldehydes and acids from the corresponding olefins

DATE-ISSUED: November 23, 1982

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grasselli; Robert K.	Chagrin Falls	OH		
Suresh; Dev D.	Macedonia	OH		
Milberger; Ernest C.	Solon	OH		

US-CL-CURRENT: 562/535

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 82. Document ID: US 4341900 A

L4: Entry 82 of 294

File: USPT

Jul 27, 1982

US-PAT-NO: 4341900

DOCUMENT-IDENTIFIER: US 4341900 A

**** See image for Certificate of Correction ****

TITLE: Catalytic process for the preparation of unsaturated carboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 83. Document ID: US 4339598 A

L4: Entry 83 of 294

File: USPT

Jul 13, 1982

US-PAT-NO: 4339598

DOCUMENT-IDENTIFIER: US 4339598 A

TITLE: Preparation of unsaturated acids and esters from saturated carboxylic acid derivatives and carbonyl compounds over catalysts containing V and Sb

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 84. Document ID: US 4335264 A

L4: Entry 84 of 294

File: USPT

Jun 15, 1982

US-PAT-NO: 4335264

DOCUMENT-IDENTIFIER: US 4335264 A

**** See image for Certificate of Correction ****

TITLE: High yield, low byproduct .alpha., .beta.-unsaturated aldehydes from olefins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 85. Document ID: US 4317927 A

L4: Entry 85 of 294

File: USPT

Mar 2, 1982

US-PAT-NO: 4317927

DOCUMENT-IDENTIFIER: US 4317927 A

**** See image for Certificate of Correction ****

TITLE: Process for the catalytic conversion of olefinically unsaturated aldehydes to their corresponding acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 86. Document ID: US 4245118 A

L4: Entry 86 of 294

File: USPT

Jan 13, 1981

US-PAT-NO: 4245118

DOCUMENT-IDENTIFIER: US 4245118 A

TITLE: Oxidation of unsaturated aldehydes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 87. Document ID: US 4235924 A

L4: Entry 87 of 294

File: USPT

Nov 25, 1980

US-PAT-NO: 4235924

DOCUMENT-IDENTIFIER: US 4235924 A

TITLE: Prostacyclin analogs of the 1 series and related analogs wherein the

carboxylic acid function has been replaced

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 88. Document ID: US 4118419 A

L4: Entry 88 of 294

File: USPT

Oct 3, 1978

US-PAT-NO: 4118419

DOCUMENT-IDENTIFIER: US 4118419 A

TITLE: Catalytic process for the preparation of an unsaturated carboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 89. Document ID: US 4113770 A

L4: Entry 89 of 294

File: USPT

Sep 12, 1978

US-PAT-NO: 4113770

DOCUMENT-IDENTIFIER: US 4113770 A

TITLE: Process for preparing unsaturated carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 90. Document ID: US 4113769 A

L4: Entry 90 of 294

File: USPT

Sep 12, 1978

US-PAT-NO: 4113769

DOCUMENT-IDENTIFIER: US 4113769 A

TITLE: Process for preparing unsaturated carboxylic acids by gas phase catalytic oxidation of the corresponding aldehydes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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Search Results - Record(s) 91 through 100 of 294 returned.

☐ 91. Document ID: US 4075127 A

Using default format because multiple data bases are involved.

L4: Entry 91 of 294

File: USPT

Feb 21, 1978

US-PAT-NO: 4075127

DOCUMENT-IDENTIFIER: US 4075127 A

TITLE: Catalyst for production of .alpha.,.beta.-unsaturated carboxylic acids

DATE-ISSUED: February 21, 1978

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kadowaki; Koju	Ibaraki			JA
Takagi; Kenji	Ibaraki			JA
Tanaka; Yoshiaki	Ibaraki			JA

US-CL-CURRENT: 502/312; 562/535

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KOMC	Draw De
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☐ 92. Document ID: US 4042625 A

L4: Entry 92 of 294

File: USPT

Aug 16, 1977

US-PAT-NO: 4042625

DOCUMENT-IDENTIFIER: US 4042625 A

**** See image for Certificate of Correction ****

TITLE: Process and catalyst for preparing unsaturated carboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KOMC	Draw De
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☐ 93. Document ID: US 4039572 A

L4: Entry 93 of 294

File: USPT

Aug 2, 1977

US-PAT-NO: 4039572

DOCUMENT-IDENTIFIER: US 4039572 A

TITLE: Process for preparing diesters of carboxylic acids by catalytic oxidative

carbonylation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 94. Document ID: US 4038395 A

L4: Entry 94 of 294

File: USPT

Jul 26, 1977

US-PAT-NO: 4038395

DOCUMENT-IDENTIFIER: US 4038395 A

TITLE: Compositions of and method of treating with the alpha-isomer of 2-chloro-9-[3'-(N'-2-hydroxyethylpiperazino-N)-propylidene]-thiaxanthene , carboxylic acid esters thereof and acid addition salts of these compounds

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 95. Document ID: US 4000170 A

L4: Entry 95 of 294

File: USPT

Dec 28, 1976

US-PAT-NO: 4000170

DOCUMENT-IDENTIFIER: US 4000170 A

TITLE: Production of carboxylic acids by controlling the active form of iridium catalyst in response to infrared absorption spectra

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 96. Document ID: US 3984477 A

L4: Entry 96 of 294

File: USPT

Oct 5, 1976

US-PAT-NO: 3984477

DOCUMENT-IDENTIFIER: US 3984477 A

TITLE: Catalyst for production of .alpha.,.beta.-unsaturated aldehydes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 97. Document ID: US 3980709 A

L4: Entry 97 of 294

File: USPT

Sep 14, 1976

US-PAT-NO: 3980709

DOCUMENT-IDENTIFIER: US 3980709 A

TITLE: Catalyst for preparation of .alpha.,.beta.-unsaturated aldehydes and process for preparing the aldehydes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 98. Document ID: US 3978003 A

L4: Entry 98 of 294

File: USPT

Aug 31, 1976

US-PAT-NO: 3978003

DOCUMENT-IDENTIFIER: US 3978003 A

TITLE: Process for the oxidation of olefins to unsaturated aldehydes and nitriles and catalysts therefore

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 99. Document ID: US 3936505 A

L4: Entry 99 of 294

File: USPT

Feb 3, 1976

US-PAT-NO: 3936505

DOCUMENT-IDENTIFIER: US 3936505 A

TITLE: Process for preparing unsaturated aldehyde having three to four carbon atoms

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 100. Document ID: US 3925464 A

L4: Entry 100 of 294

File: USPT

Dec 9, 1975

US-PAT-NO: 3925464

DOCUMENT-IDENTIFIER: US 3925464 A

TITLE: Process for preparing unsaturated carboxylic acids from the corresponding unsaturated aldehydes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 101. Document ID: US 3867438 A

Using default format because multiple data bases are involved.

L4: Entry 101 of 294

File: USPT

Feb 18, 1975

US-PAT-NO: 3867438

DOCUMENT-IDENTIFIER: US 3867438 A

TITLE: Process for the oxidation of .alpha.,.beta.-unsaturated aldehydes
to .alpha.,beta.-unsaturated carboxylic acids

DATE-ISSUED: February 18, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hensel; Jorg	Grossauheim			DT
Lussling; Theodor	Grossauheim			DT
Noll; Ewald	Grosskrotzenburg			DT
Schaefer; Hans	Grossauheim			DT
Weigert; Wolfgang	Offenbach			DT

US-CL-CURRENT: 562/535

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 102. Document ID: US 3856856 A

L4: Entry 102 of 294

File: USPT

Dec 24, 1974

US-PAT-NO: 3856856

DOCUMENT-IDENTIFIER: US 3856856 A

TITLE: PRODUCTION OF CARBOXYLIC ACIDS AND ESTERS

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 103. Document ID: JP 10045664 A

L4: Entry 103 of 294

File: JPAB

Feb 17, 1998

PUB-NO: JP410045664A

DOCUMENT-IDENTIFIER: JP 10045664 A

TITLE: PRODUCTION OF ALPHA,BETA-UNSATURATED CARBOXYLIC ACID

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 104. Document ID: JP 08259487 A

L4: Entry 104 of 294

File: JPAB

Oct 8, 1996

PUB-NO: JP408259487A

DOCUMENT-IDENTIFIER: JP 08259487 A

TITLE: PRODUCTION OF UNSATURATED ALDEHYDE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 105. Document ID: JP 07010801 A

L4: Entry 105 of 294

File: JPAB

Jan 13, 1995

PUB-NO: JP407010801A

DOCUMENT-IDENTIFIER: JP 07010801 A

TITLE: PRODUCTION OF ALPHA, BETA-UNSATURATED CARBOXYLIC ACID

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 106. Document ID: JP 06279351 A

L4: Entry 106 of 294

File: JPAB

Oct 4, 1994

PUB-NO: JP406279351A

DOCUMENT-IDENTIFIER: JP 06279351 A

TITLE: PRODUCTION OF UNSATURATED CARBOXYLIC ACID

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 107. Document ID: JP 06234524 A

L4: Entry 107 of 294

File: JPAB

Aug 23, 1994

PUB-NO: JP406234524A

DOCUMENT-IDENTIFIER: JP 06234524 A

TITLE: TIN-BASED MATERIAL COMPOSITION, CATALYST BASED THEREON, AND THEIR USE FOR PREPARATION OF UNSATURATED CARBOXYLIC ACID

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw. De
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☐ 108. Document ID: JP 404250853 A

L4: Entry 108 of 294

File: JPAB

Sep 7, 1992

PUB-NO: JP404250853A

DOCUMENT-IDENTIFIER: JP 404250853 A

TITLE: USE OF HETEROPOLY ACID AS CATALYST FOR THE PREPARATION OF ESTER OF
UNSATURATED CARBOXYLIC ACID BY (TRANS) ESTERIFICATION IN LIQUID PHASE AND
PRODUCTION THEREOF

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw. De
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☐ 109. Document ID: JP 01319455 A

L4: Entry 109 of 294

File: JPAB

Dec 25, 1989

PUB-NO: JP401319455A

DOCUMENT-IDENTIFIER: JP 01319455 A

TITLE: PRODUCTION OF UNSATURATED CARBOXYLIC ACID AND ESTER THEREOF

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw. De
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☐ 110. Document ID: JP 61076436 A

L4: Entry 110 of 294

File: JPAB

Apr 18, 1986

PUB-NO: JP361076436A

DOCUMENT-IDENTIFIER: JP 61076436 A

TITLE: PRODUCTION OF UNSATURATED CARBOXYLIC ACID

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw. De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L3 and L2	294

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